



## FortiGuard®

### Fortinet's Global Security Research and Protection

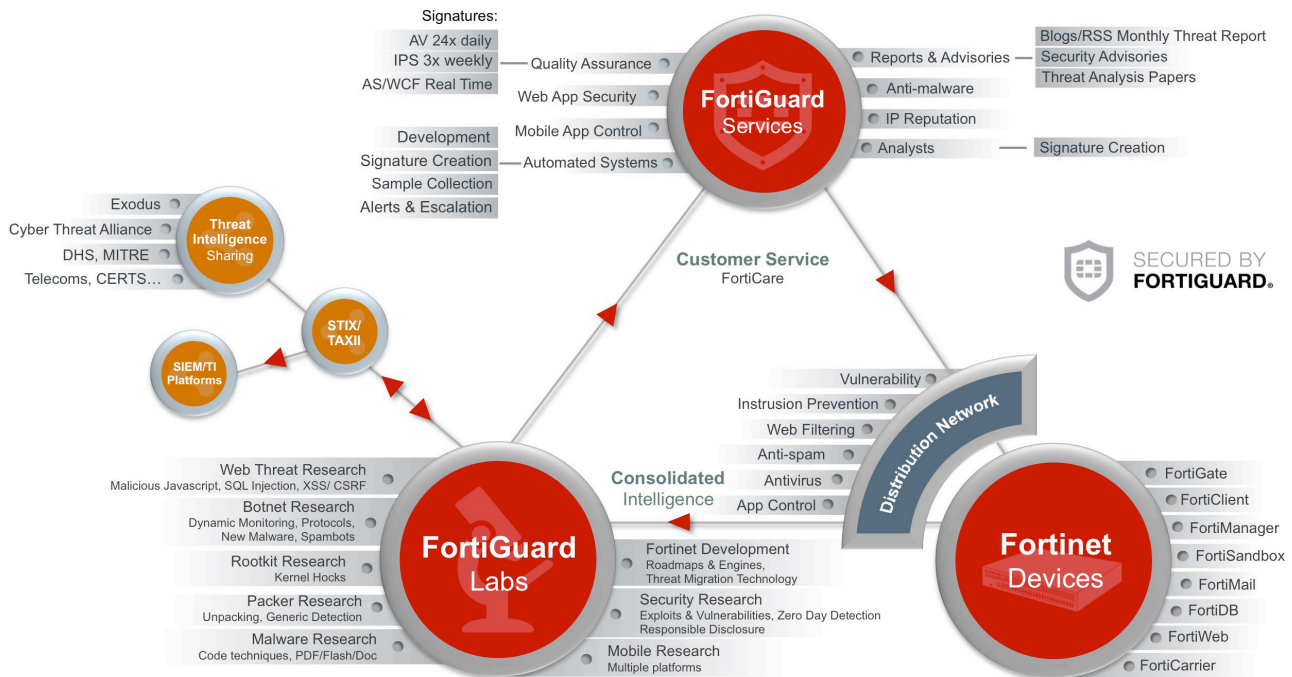
Security intelligence represents knowledge of the identity, capabilities, and intentions of individuals and organizations engaged in espionage, sabotage, or theft online. The methodologies that attackers use include constant innovation and exploit creation, new evasion and infiltration techniques to avoid traditional detection methods, and social engineering. The most effective defense for an organization comes from creating a security program that incorporates constant updates for network edge components, emerging detection methods, and a customized learning mechanism. The FortiGuard Labs research team uses their extensive knowledge of today's threat ecosystem to create real-time response at multiple threat levels throughout all Fortinet technology, as well as providing security intelligence updates and business intelligence to our customers.

### Top Rate Security

- Large **global threat research team**
- **Identifies** new threats and **delivers** protective services across a **rich array** of **in-house** security technologies
- Updates are delivered **instantly**, 24x7x365
- **Independently** validated as **highly effective** versus today's threats

## FortiGuard Labs

For more than 10 years, Fortinet's dedicated security research team, FortiGuard Labs, is leading the industry in innovation powering all Fortinet top-rated security platforms. This accomplished group is composed of security threat researchers, engineers, and forensic specialists tasked with outsmarting the cybercriminals and delivering cutting-edge protection tools to our global customers.



**Providing Comprehensive Security:** FortiGuard Labs offer real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. The team collaborates with the world's leading threat monitoring organizations, other network and security vendors (leading the first multi-vendor cyberalliance) and law enforcement, both advising on new threats discovered by patented technology and examining new network trends. Based on this synergetic approach, the FortiGuard team specializes in developing new adaptive defense tools to help protect against multi-vector targeted attacks.

**Proactive Protection Ahead of the Threats:** FortiGuard Labs provides around-the-clock coverage to assure some of the fastest response times in the industry to new vulnerabilities, attacks, viruses, botnets, and other exploits. As new threats emerge FortiGuard Labs 24x7x365 global operations produce an innovative protection package with up-to-date security intelligence that is then distributed via FortiGuard Distributed Network\* in real-time to Fortinet platforms to deliver instant protection against new and emerging threats.

\*The FortiGuard Distribution Network (FDN) is a global distribution network that delivers updates to FortiGate®, FortiWiFi™, FortiMail™, FortiAnalyzer™, FortiScan™, FortiDB™, FortiWeb™, FortiClient™ and FortiMobile™ products

**High Performance Security Solutions:** The FortiGuard portfolio of integrated security services is designed to maximize protection and optimize performance across Fortinet's security solutions, both physical and virtual, ensuring that the latest attacks are detected and blocked – fast.

## FortiGuard Security Subscription Services

The Fortinet FortiGuard security subscription services provide comprehensive application control, intrusion prevention services, web filtering, antivirus/anti-spyware, anti-spam, database security, vulnerability management, and web application firewall capabilities to enable unified protection against multiple threat vectors. Since Fortinet developed and delivers these services internally, there is an inherent synergy and integration that further increases the services' collective effectiveness.



### FortiGuard Security Subscription Service Features FortiGuard Services Include:

Antivirus / Anti-spyware	Protects against the latest content-level threats by detecting and removing malicious software. Top-rated proactive protection delivers one of the best-curated defenses against zero-days.
Intrusion Prevention Service	Protects against known and unknown network-level threats including command and control traffic and automatic botnet attacks by examining network traffic for anomalies.
Web Filtering	Provides the option to explicitly allow websites, or to pass web traffic un-inspected both to and from known-good websites in order to accelerate traffic flows. Real-time updates from FortiGuard help determine the category and rating of a specific URL.
Anti-spam	Significantly reduces spam volume at the perimeter for superior control of email attacks and infections. Using multiple collection techniques, FortiGuard Labs develop and maintain accurate lists of spammers and spam content.
Application Control	<p>Protects against application-based threats by allowing or denying granular network application usage with deep application control to reinforce business rules of acceptable interaction allowed to and from applications.</p> <p>Enterprise applications, database queries, web mail, social networking applications, IM/P2P, and file transfer protocols can all be identified accurately by sophisticated detection signatures and patterns.</p>
Database Security	Centrally-managed database protection on an enterprise scale, with up-to-date policies that cover known exploits, configuration weaknesses, OS issues, operational risks, and data access privileges.
Web Application Firewall	Web application protection with fully automated updates to ensure defense against the latest application layer threats including SQL injection, cross-site scripting and a range of other attacks. The WAF service also includes up-to-date vulnerability scan signatures, suspicious URLs, malicious data types, and bot patterns.
IP Reputation	Protects against prohibits traffic to and from sites known to contain malicious content or infections, as well as preventing botnet command and control signals.

### Get the latest malware information from the FortiGuard Center:

Threat reports	Threat library and encyclopedia of vulnerabilities
Security blog and RSS feed	Mobile threat index
Security advisories	Malware classifications
Interactive world map for country-level threat ranking	Online virus scanner and submission portal
Zero-day research	

The high synergy between Fortinet's security services create an environment for holistic detection, view of the full scope of an attack, and effective policy enforcement that is coordinated between the services and the platforms. Customers can choose to activate parts or all of FortiGuard's services on each platform.

	App. Control	IPS	AV	IP Rep./ Anti-bot	Web Filtering	Anti-spam	Vuln. Scan	DB Security
FortiGate	✓	✓	✓	✓	✓	✓	✓*	
FortiSandbox		✓	✓	✓	✓			
FortiClient*	✓		✓		✓		✓	
FortiWeb			✓	✓				
FortiCache			✓		✓			
FortiMail			✓			✓		
FortiADC				✓				
FortiDDoS				✓				
FortiDB								✓

### Fortinet threat intelligence and security solutions receive top industry ratings

Fortinet's network security platforms are tested and validated by the world's leading experts and customers globally. Staffed 24/7, around the world FortiGuard Labs threat research and response experts help organizations thwart sophisticated attacks that may go undetected by other solutions. The value of FortiGuard Labs' depth and breadth of research, intelligence, and analytics are clearly measured in independent test results from NSS Labs.

### Leading Industry Collaboration

Fortinet co-founded the Cyber Threat Alliance to foster collaboration across the industry with the aim to improve overall protection levels for every organization. FortiGuard Labs works with the Cyber Threat Alliance, other industry leaders, and government agencies to deliver cutting-edge research and protection.



## FortiGuard Distribution Network

The FortiGuard Distribution Network has data centers around the world located in secure, high-availability locations that automatically deliver updates to the Fortinet security platforms. With the FortiGuard Subscription Services enabled, customers can be assured that their Fortinet security platforms are performing optimally and protecting their corporate assets with the latest security technology.



## FORTINET®

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